AMENDMENTS TO THE ABSTRACT

Please cancel the original abstract from the International application and substitute the following replacement abstract.

ABSTRACT

A code generator and method for generating an orthogonal code for use in the baseband part of a transmitter or transceiver of a telecommunication system. An index conversion unit converts an index (k) into a modified index (j) associated with a corresponding code having a spreading factor greater than one and less than or equal to a maximum spreading factor. A logic unit performs logic operations on bits of the modified index (j) and a counter value (i) to generate a code bit of the orthogonal code. A number of parallel code generators may generate a number of orthogonal codes having respective spreading factors and indices.